

CLAIMS

WHAT IS CLAIMED IS:

- 1 1. A method for secure data transfer in a wireless networked
2 communication system, comprising the steps of:
3 generating an encryption key within a first device of the
4 communication system;
5 encoding the encryption key to form an encoded signal;
6 transmitting the encoded signal to a second device of the
7 communication system remote from the first device;
8 decoding the encoded signal at the second device to extract the
9 encryption key; and
10 using the encryption key to encrypt and decrypt data for subsequent
11 wireless transmissions between the first and second devices.
- 1 2. The method of claim 1, wherein the encoded signal is an acoustic
2 signal.
- 1 3. The method of claim 2, wherein the acoustic signal is DTMF tones.
- 1 4. The method of claim 1, wherein the encoded signal is an infrared
2 signal.
- 1 5. The method of claim 1, wherein the step of decoding further
2 comprises the step of storing the decoded encryption key in memory.
- 1 6. The method of claim 1, wherein the step of decoding further
2 comprises the step of performing error detection to determine if an error has
3 occurred in connection with the reception or decoding of the encryption key.

1 13. The system of claim 10, wherein the encoded signal is an acoustic
2 signal.

1 14. The system of claim 10, wherein the signal transmitter is an acoustic
2 transmitter and the signal sensor is an acoustic sensor.

1 15. The system of claim 10, wherein the decoder device is an acoustic
2 codec.

1 16. The system of claim 10 further comprising memory in the first and
2 second devices for storage of the encryption key.

1 17. The system of claim 10 further comprising an encryption/decryption
2 module in the first and second devices for encrypting data for transmission and
3 decrypting data received from the other device.

1 18. The system of claim 10 further comprising a radio-frequency codec in
2 the first and second devices for encoding the data into radio-frequency signals.

1 19. The system of claim 18 further comprising a radio-frequency
2 transceiver in the first and second devices for transmission and reception of the
3 radio-frequency signals within the communication system.

1 20. A system for secure data transmission within a wireless
2 communication system, comprising:
3 means for generating an encryption key within a first device of the
4 communication system;
5 means for encoding the encryption key to form an encoded signal;

1. The first part of the document is a list of names and addresses, which appears to be a directory or a list of contacts. The names are written in a cursive script, and the addresses are listed below them. The list includes names such as "John A. Smith", "John B. Smith", "John C. Smith", "John D. Smith", "John E. Smith", "John F. Smith", "John G. Smith", "John H. Smith", "John I. Smith", "John J. Smith", "John K. Smith", "John L. Smith", "John M. Smith", "John N. Smith", "John O. Smith", "John P. Smith", "John Q. Smith", "John R. Smith", "John S. Smith", "John T. Smith", "John U. Smith", "John V. Smith", "John W. Smith", "John X. Smith", "John Y. Smith", and "John Z. Smith".